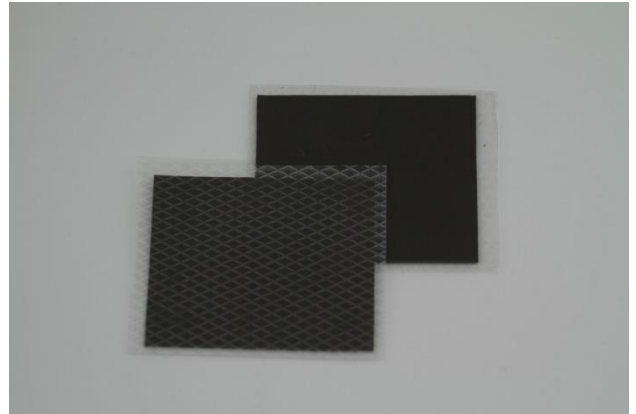


Thermally conductive insulators are characterized by a good heat conduction and an excellent dielectric strength. They also possess a good electrical isolation.

Insulators are especially suitable for applications where low mounting pressure is required, e. g. for component clamping.

The smooth and compliant surface of insulators can minimize the thermal resistance and thus maximize the thermal performance.

- Thermal conductivity: 1,6 W/m\*K
- Available with or without PSA
- Low thermal resistance
- Good electrical isolating
- Easy to assemble
- Cost effective



RoHS



REACH



UL 94



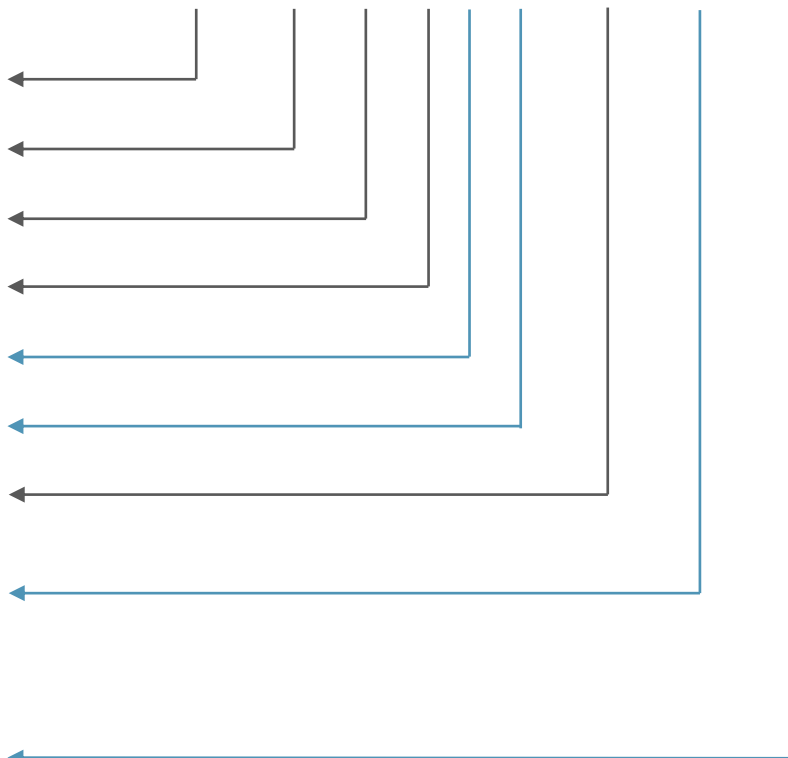
## PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
<b>THERMAL</b>		
Thermal conductivity	1,6 W/m*K	ASTM E1530
<b>ELECTRICAL</b>		
Breakdown voltage	6000 V/mm	ASTM D149
Volume resistivity	10 <sup>13</sup> Ω*cm	ASTM D257
<b>PHYSICAL</b>		
Basic material	Filled silicone elastomer	-
Hardness	85 Shore A	ASTM D2240
Gravity	2,5	ASTM D792
Thickness range	0,2 – 5,0 mm	-
Reinforcement	Fibreglass	-
Working temperature	-40 – 200 °C	-
Flammability rating	V-0	UL 94
Total mass loss (TML)	< 0,5% @ 24 h / 125°C vakuum	ASTM E595-15
Tensile strength	9 Mpa	ASTM D412
Standart size	297x 210mm	-

**BUILDING AN ITEM NUMBER**

TCIN-1,6 S85 F-LxWx0,23-XXX-YYY

Thermally Conductive Insulator	
Thermal conductivity	
Shore A hardness	
Fiberglass reinforced	
xxx	Length (mm)
xxx	Width (mm)
Thickness (in mm)	
BNT	Both sides non-tacky
SAN	One side adhesive, one side non-tacky
DST	Die-cut parts
KCT	Kiss-cutparts
R	Roll type



**Standard options**

**EXAMPLE**

**TCIN-1,6 S85 F-35x17x0,23-BNT-DST**

Thermally conductive insulator; thermal conductivity: 1,6 W/m\*K; hardness: 85 Shore A; fiberglass reinforced; size: 35x17 mm; thickness: 0,23 mm; both sides non-tacky; die-cut